

# ZyXEL



## Ubiquitous Home Networking with a Simple Plug

**200Mbps**  
**HomePlug**



- Data Transmission Rates of Up to 200 Mbps
- Advanced 128-bit AES Network Security
- No Wiring and Cabling Required
- HomePlug AV Compliant
- Simple Direct Plug Design

### Benefits

#### Data Transmission Rates of Up to 200 Mbps

ZyXEL's Powerline Series is an access extension solution to completely network your house with existing power lines. Thanks to the advanced HomePlug AV technology, the PLA-401 is capable of transmitting data at up to 200 Mbps. It allows you to share network resources and enjoy Internet access through secure high-speed data connections over the house power lines you already have.

#### High Speed and QoS for High Definition Video Streams

The inherent advanced QoS features of HomePlug AV Series are ideal for service provider to deliver "Triple play" multimedia services such as high-quality digital video streams, high-speed Internet access, as well as voice services.

#### Advanced 128-bit AES Security Protection

With the 128-bit Data Encryption Security (AES) feature, the PLA-401 provides secure network connection for Internet access and network resource sharing. You may sit back to enjoy fast Internet surfing experience and secure file transfer while leaving the hassles to the PLA-401.

Powerline Ethernet Adapter

PLA-401



# HOMEPLUG

## Specifications

### System Specifications

- Network Standard:  
HomePlug AV 200 Mbps compliance Data Rate
- Power Line Network:  
Supports up to 16 (Tone Map) Powerline devices communicating on a single network. Each Powerline Ethernet adapter supports 15 remote Ethernet addresses. With total 4 groups then it can support up to total 64.
- Modulation:  
OFDM Symbol Modulation, Supports QAM 1024/256/64/16, DQPSK, DBPSK and ROBO Carrier modulation schemes
- Frequency Band: 1.7 MHz ~ 30 MHz
- Coverage Area: up to 300 meters
- Security: 128 bit AES encryption

### Hardware Specifications

- Interface: One RJ-45 Ethernet Port
- One Power Input: 100-240 VAC, 50/60 Hz
- Plug Type: EU, US, UK

- LED Display on Top-Case
- PWR: Power-Light
- LINK: Power-Line Link/ACT
- ETHN: Network Connected/Non-Connected

### Physical Specifications

- Dimensions: 75 (W) x 97 (D) x 45 (H) mm
- Weight: 185 g

### Environmental Specifications

#### Operation Environment

- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 80%

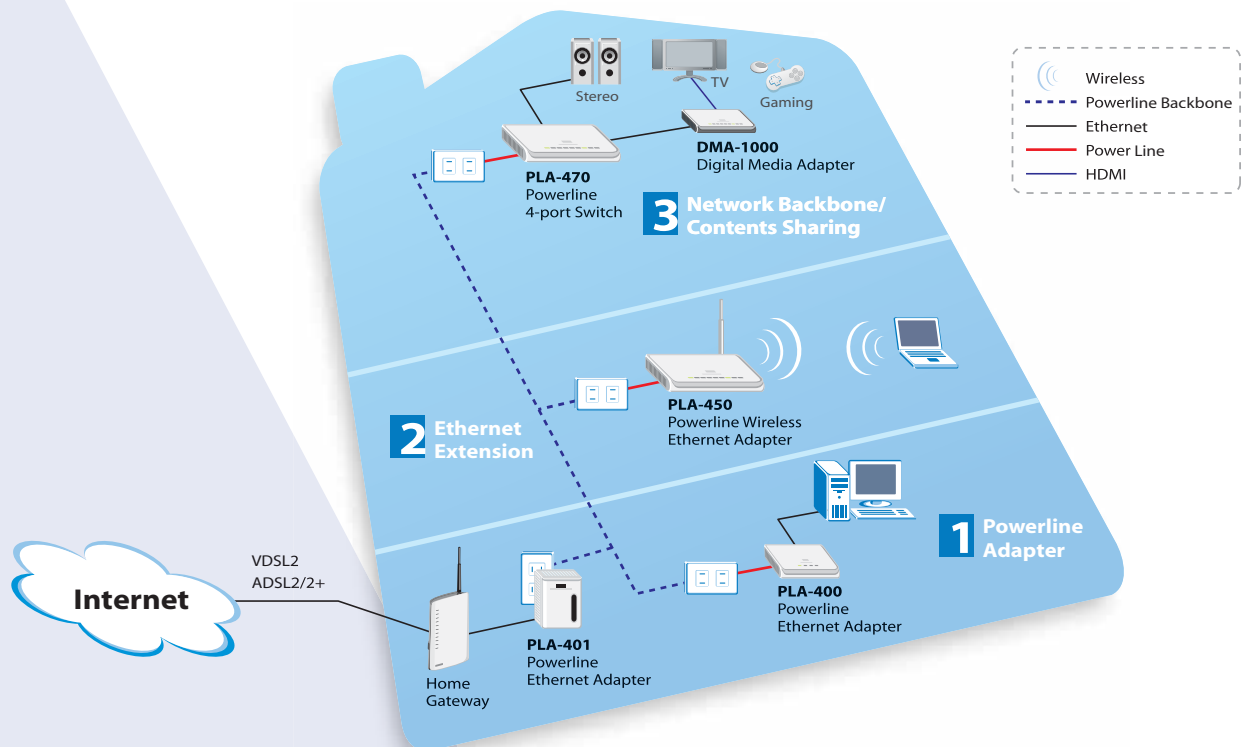
#### Storage Environment

- Temperature: -20°C ~ 60°C
- Humidity: 5% ~ 90%

### Certification

- Safety: UL/cUL, LVD
- EMI: CE, FCC part 15B
- HomePlug Certification: HomePlugAV

## Application Diagram



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)